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(21)Application number : 2000-001583 (71)Applicant : NISSAN MOTOR CO LTD

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(54) DEVICE FOR DETECTING PEDESTRIAN

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a pedestrian detecting device by which a pedestrian is surely detected at high speed.

SOLUTION: The device is provided with a groundside monitor camera 1 arranged on the ground to pick-up the image of a road, a groundside arithmetic device 2 for detecting the position and moving direction of the pedestrian on the road from the image picked-up by the camera 1, a groundside communication unit 3 for transmitting the data of a camera arrangement position and data detected by the device 2 to a vehicle, an on-vehicle sensor 4 mounted on the vehicle to detect the existence of an object in front of the vehicle and a distance to the object, an on-vehicle communication unit 5 for receiving data from the unit 3 and an on-vehicle arithmetic device 6 for obtaining position relation between the camera 1 and the sensor 4 based on received data and recognizing the object as the pedestrian at the side of the vehicle, which corresponds to the pedestrian detected on the ground by detecting result of the sensor 4, based on the position and moving direction of the pedestrian detected by the device 2 and on position relation between the camera 1 and the sensor 4.

